

ATTORNEY DOCKET NO.

PATENT

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**SYSTEMS AND METHODS FOR IMPROVING SOUND QUALITY IN  
COMPUTER-NETWORK TELEPHONY APPLICATIONS**

**ABSTRACT:**

[0034] Methods and circuits for controlling clicks, pops, echo effects and/or deadset phenomenon in computer network-based telephony systems. In one embodiment adaptive background noise is transmitted onto the network in place of detected echo to cancel echo effects. In an alternate embodiment, gaps between received speech bursts are filled in the case of discontinuous transmission, for example, by non-repetitive comfort noise.

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